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<212> DNA

<213> Homo sapiens

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2667

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens
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<212> DNA
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<400> 17

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<210> 18
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<212> DNA
<213> Homo sapiens

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<210> 19
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<212> DNA
<213> Homo sapiens

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<210> 20

<211> 2136

<212> DNA

<213> Homo sapiens

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<211> 1547

<212> DNA

<213> Homo sapiens

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<212> DNA
<213> Homo sapiens
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<211> 2495

<212> DNA

<213> Homo sapiens

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 cagcaagcta aataaatatt gtaaaattgc actatattag gttaagtatt atttaggtat 1980
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 <211> 1262
 <212> DNA
 <213> Homo sapiens

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 taaagaaaaa attaccttct ttacaatct aacacactac ttttttaaca ggtgttttaa 180

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<210> 31
<211> 1804
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (1701)
<223> n equals a,t,g, or c

<220>
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<210> 32
<211> 1461
<212> DNA
<213> Homo sapiens

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<210> 33
<211> 1114
<212> DNA
<213> Homo sapiens

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<222> (1073)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1102)
<223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <222> (1851)
 <223> n equals a,t,g, or c

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<211> 1465

<212> DNA

<213> Homo sapiens

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<210> 37

<211> 985

<212> DNA

<213> Homo sapiens

<400> 37

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985

[illegible]

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<211> 2204
<212> DNA
<213> Homo sapiens
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<211> 2069
<212> DNA
<213> Homo sapiens
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<400> 48

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<211> 924

<212> DNA

<213> Homo sapiens

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<211> 2520

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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 <211> 1947
 <212> DNA
 <213> Homo sapiens

<400> 52
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<210> 53

<211> 734

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (678)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (681)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (694)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (709)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (732)

<223> n equals a,t,g, or c

<400> 53

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atctctcatc	catctcagcc	actattctcc	tcccctccct	tgtgtctaca	acacccatt	240
ttaccaagtc	tcccatttaa	cctcccccac	cttttctttc	ccttaaagtc	tcatatgata	300
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<210> 54
<211> 1182
<212> DNA
<213> Homo sapiens
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<222> (1119)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (1128)
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (1131)  
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (1147)  
<223> n equals a,t,g, or c
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ttagagacaa	accctagctc	agtttcctgg	agcttgactc	agaatgcagc	atggtaactcc	360
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ctccttcaaa	aaaaaaaaaa	aaaaactcga	gagtacttnt	agagcggncg	ngggcccatc	1140
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<210> 55
<211> 1866
<212> DNA
<213> Homo sapiens
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<400> 55
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 aaaaaa 1866

<210> 56
 <211> 1028
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1022)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1026)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

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<400> 56

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aaaaaaaaaa	aaccggggg	ggggcccggt	accaaattcg	ccnaaagg	ggnc	1854

<210> 58
 <211> 1349
 <212> DNA
 <213> Homo sapiens

<400> 58						
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tacaggattt	tgttttttct	ttttaagtac	aggttcctag	tgttttacta	taactgtcac	1260
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<210> 59
 <211> 1072
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (374)
 <223> n equals a,t,g, or c

<400> 59						
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tgcctgccc	atgtggaagg	tgacygcttt	cacggcaac	agcatcgtgg	tggcccagg	180
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atgggggctc	cgctggcgct	agagccatcc	agaagtggca	gtgcccaaca	gctttgggat	780
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cacccttgga	tgatggagcc	aaagagggga	tgctttgaga	ttctggatct	tgacatgccc	960
atcttagaag	ccagtcaagc	tatggaacta	atgcggaggc	tgcttgctgt	gctggctttg	1020
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<210> 60

<211> 2508

<212> DNA

<213> Homo sapiens

<400> 60

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ttttggggag	tcgcctgctg	cactacatga	gaaagggact	cccatttgcc	cttccccctt	2040
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2508

<210> 61
 <211> 952
 <212> DNA
 <213> Homo sapiens

<400> 61
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 tcactggaga cgaggatgag aacagcccgt gtgcccataa ggccctcttg gacgaggaca 180
 ccctcttttg ccagggcctt gaagttttct acccagagtt ggggaacatt ggctgcaagg 240
 ttgttcctga ttgtaacaac tacagacaga agatcacctc ctggatggaa gccgatagtc 300
 aagttcccgg gggccgtgga cggcgcaacc tataatcctg gtgatgggtg atccagatgc 360
 ccctagcaga gcagaaccca gacagagatt ctggagacat tggctggtaa cagatatcaa 420
 gggcgccgac ctgaagaaaag ggaagattca gggccaggag ttatcagcct accaggctcc 480
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 aaaagtcatc tctctccttc ccaaggaaaa caaaactcga ggctcttgga aaatggacag 600
 atttctgaac cgtttccacc tgggcgaacc tgaagcaagc acccagttca tgaccagaa 660
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 aaaccaggcg gagatagctg cctgctagat agccggcttt gccatccggg catgtggcca 780
 cactgcccac caccgacgat gtgggtatgg aacccccctc ggatacagaa ccccttcttt 840
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<210> 62
 <211> 206
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 62
 Met Ala Ser His Gly Leu Cys Pro Cys Leu Leu Met Gly Thr Gly Trp
 1 5 10 15
 Gly Leu Trp Thr Leu Leu Pro Asp Leu Glu Val Met Ala Gly Lys Gly
 20 25 30
 Arg Met Pro Phe Ala Gly Ile Ser Val Thr Ser Gly Phe Leu Arg Ser
 35 40 45
 Leu Lys Arg Ala Pro Leu Pro His Thr Gly Ser Pro Asp Pro Arg Pro
 50 55 60
 Ser Gly Ile Trp Ser Gly Val Arg Thr Thr Ser Glu Glu Ala Gly Ala
 65 70 75 80
 Thr Ser Thr Gln Ile Ser Thr Ala Ala Pro Arg Phe His Ser Arg Arg
 85 90 95
 Lys Gly Pro Lys Arg Asn Leu Ala Pro Gln Leu Arg Val Leu Val His
 100 105 110
 Arg Thr Val Pro Pro Gly Gln Leu Val Tyr Ala Pro Gln Thr Val Asp
 115 120 125

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Leu His Glu Ile Asn Gly Asp His Leu Lys Ile Cys Pro Gln Gly Ser

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<210> 65
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 65
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<210> 66
<211> 302
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (237)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 66
Met Lys Ala Pro Gly Arg Leu Val Leu Ile Ile Leu Cys Ser Val Val
  1             5             10             15
Phe Ser Ala Val Tyr Ile Leu Leu Cys Cys Trp Ala Gly Leu Pro Leu
      20             25             30
Cys Leu Ala Thr Cys Leu Asp His His Phe Pro Thr Gly Ser Arg Pro
      35             40             45
Thr Val Pro Gly Pro Leu His Phe Ser Gly Tyr Ser Ser Val Pro Asp
      50             55             60
Gly Lys Pro Leu Val Arg Glu Pro Cys Arg Ser Cys Ala Val Val Ser
      65             70             75             80
Ser Ser Gly Gln Met Leu Gly Ser Gly Leu Gly Ala Glu Ile Asp Ser
      85             90             95
Ala Glu Cys Val Phe Arg Met Asn Gln Ala Pro Thr Val Gly Phe Glu
      100            105            110
Ala Asp Val Gly Gln Arg Ser Thr Leu Arg Val Val Ser His Thr Ser
      115            120            125
Val Pro Leu Leu Leu Arg Asn Tyr Ser His Tyr Phe Gln Lys Ala Arg
      130            135            140
Asp Thr Leu Tyr Met Val Trp Gly Gln Gly Arg His Met Asp Arg Val
      145            150            155            160
Leu Gly Gly Arg Thr Tyr Arg Thr Leu Leu Gln Leu Thr Arg Met Tyr

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<210> 66
<211> 302
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (237)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 66
Met Lys Ala Pro Gly Arg Leu Val Leu Ile Ile Leu Cys Ser Val Val
  1             5             10             15

Phe Ser Ala Val Tyr Ile Leu Leu Cys Cys Trp Ala Gly Leu Pro Leu
      20             25             30

Cys Leu Ala Thr Cys Leu Asp His His Phe Pro Thr Gly Ser Arg Pro
      35             40             45

Thr Val Pro Gly Pro Leu His Phe Ser Gly Tyr Ser Ser Val Pro Asp
      50             55             60

Gly Lys Pro Leu Val Arg Glu Pro Cys Arg Ser Cys Ala Val Val Ser
      65             70             75             80

Ser Ser Gly Gln Met Leu Gly Ser Gly Leu Gly Ala Glu Ile Asp Ser
      85             90             95

Ala Glu Cys Val Phe Arg Met Asn Gln Ala Pro Thr Val Gly Phe Glu
      100            105            110

Ala Asp Val Gly Gln Arg Ser Thr Leu Arg Val Val Ser His Thr Ser
      115            120            125

Val Pro Leu Leu Leu Arg Asn Tyr Ser His Tyr Phe Gln Lys Ala Arg
      130            135            140

Asp Thr Leu Tyr Met Val Trp Gly Gln Gly Arg His Met Asp Arg Val
      145            150            155            160

Leu Gly Gly Arg Thr Tyr Arg Thr Leu Leu Gln Leu Thr Arg Met Tyr

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165	170	175
Pro Gly Leu Gln Val Tyr Thr Phe Thr Glu Arg Met Met Ala Tyr Cys		
180	185	190
Asp Gln Ile Phe Gln Asp Glu Thr Gly Lys Asn Arg Arg Gln Ser Gly		
195	200	205
Ser Phe Leu Ser Thr Gly Trp Phe Thr Met Ile Leu Ala Leu Glu Leu		
210	215	220
Cys Glu Glu Ile Val Val Tyr Gly Met Val Ser Asp Xaa Tyr Cys Arg		
225	230	235
Glu Lys Ser His Pro Ser Val Pro Tyr His Tyr Phe Glu Lys Gly Arg		
245	250	255
Leu Asp Glu Cys Gln Met Tyr Leu Ala His Glu Gln Ala Pro Arg Ser		
260	265	270
Ala His Arg Phe Ile Thr Glu Lys Ala Val Phe Ser Arg Trp Ala Lys		
275	280	285
Lys Arg Pro Ile Val Phe Ala His Pro Ser Trp Arg Thr Glu		
290	295	300

<210> 67
 <211> 149
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (124)
 <223> Xaa equals any of the naturally occurring L-amino acids

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<210> 68
<211> 357
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 68
Met Cys Phe Ala Thr Ala Ala Phe Phe Phe Phe Phe Thr Leu Leu Met
 1               5               10               15

Leu Cys Val Ser Ser Ser Arg Asp Pro Arg Ala Ala Ile Gln Asn Gly
      20               25               30

Phe Trp Phe Phe Lys Phe Leu Ile Leu Val Gly Xaa Thr Val Gly Ala
 35               40               45

Phe Tyr Ile Pro Asp Gly Ser Phe Thr Asn Ile Trp Phe Tyr Phe Gly
 50               55               60

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Val Val Gly Ser Phe Leu Phe Ile Leu Ile Gln Leu Val Leu Leu Ile
 65 70 75 80
 Asp Phe Ala His Ser Trp Asn Gln Arg Trp Leu Gly Lys Ala Glu Glu
 85 90 95
 Cys Asp Ser Arg Ala Trp Tyr Ala Gly Leu Phe Phe Phe Thr Leu Leu
 100 105 110
 Phe Tyr Leu Leu Ser Ile Ala Ala Val Ala Leu Met Phe Met Tyr Tyr
 115 120 125
 Thr Glu Pro Ser Gly Cys His Glu Gly Lys Val Phe Ile Ser Leu Asn
 130 135 140
 Leu Thr Phe Cys Val Cys Val Ser Ile Ala Ala Val Leu Pro Lys Val
 145 150 155 160
 Gln Asp Ala Gln Pro Asn Ser Gly Leu Leu Gln Ala Ser Val Ile Thr
 165 170 175
 Leu Tyr Thr Met Phe Val Thr Trp Ser Ala Leu Ser Ser Ile Pro Glu
 180 185 190
 Gln Lys Cys Asn Pro His Leu Pro Thr Gln Leu Gly Asn Glu Thr Val
 195 200 205
 Val Ala Gly Pro Glu Gly Tyr Glu Thr Gln Trp Trp Asp Ala Pro Ser
 210 215 220
 Ile Val Gly Leu Ile Ile Phe Leu Leu Cys Thr Leu Phe Ile Ser Leu
 225 230 235 240
 Arg Ser Ser Asp His Arg Gln Val Asn Ser Leu Met Gln Thr Glu Glu
 245 250 255
 Cys Pro Pro Met Leu Asp Ala Thr Gln Gln Gln Gln Gln Gln Val Ala
 260 265 270
 Ala Cys Glu Gly Arg Ala Phe Asp Asn Glu Gln Asp Gly Val Thr Tyr
 275 280 285
 Ser Tyr Ser Phe Phe His Phe Cys Leu Val Leu Ala Ser Leu His Val
 290 295 300
 Met Met Thr Leu Thr Asn Trp Tyr Lys Pro Gly Glu Thr Arg Lys Met
 305 310 315 320
 Ile Ser Thr Trp Thr Ala Val Trp Val Lys Ile Cys Ala Ser Trp Ala
 325 330 335
 Gly Leu Leu Leu Tyr Leu Trp Thr Leu Val Ala Pro Leu Leu Leu Arg
 340 345 350
 Asn Arg Asp Phe Ser
 355

<210> 69
 <211> 111
 <212> PRT

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<213> Homo sapiens

<400> 69

Met Gly Pro Ser Ser Cys Leu Leu Leu Ile Leu Ile Pro Leu Leu Gln
1 5 10 15

Leu Ile Asn Leu Gly Ser Thr Gln Cys Ser Leu Asp Ser Val Met Asp
20 25 30

Lys Lys Ile Lys Asp Val Leu Asn Ser Leu Glu Tyr Ser Pro Ser Pro
35 40 45

Ile Ser Lys Lys Leu Ser Cys Ala Ser Val Lys Ser Gln Gly Arg Pro
50 55 60

Ser Ser Cys Pro Ala Gly Met Ala Val Thr Gly Cys Ala Cys Gly Tyr
65 70 75 80

Gly Cys Gly Ser Trp Asp Val Gln Leu Glu Thr Thr Cys His Cys Gln
85 90 95

Cys Ser Val Val Asp Trp Thr Thr Ala Arg Cys Cys His Leu Thr
100 105 110

<210> 70

<211> 183

<212> PRT

<213> Homo sapiens

<400> 70

Met Ile Cys Ser Gly Phe Phe Gly Trp Trp Trp Trp Trp Cys Phe Leu
1 5 10 15

Met Gly Leu Ser Gly Phe His Gln Thr His Phe Pro Ala Ala Val Trp
20 25 30

Ser Gly Pro Glu Asn Thr Lys Pro Pro Asp Pro Arg Pro Thr Pro Thr
35 40 45

His His Pro Ala Ser Ala Ala Leu Ser Gln Asp Ser His Gly Asn Glu
50 55 60

Gly Ile His Leu Leu Pro Asp Thr His Trp Ala Leu Arg Pro Ser Gln
65 70 75 80

Gly Pro His Asn Gly Pro Gln Arg Arg Gly Pro Thr Thr Cys Trp Ile
85 90 95

Phe Pro Gly Lys Gly Val Arg Gly Trp Arg Gly Arg Ala Val Arg Leu
100 105 110

Phe Pro Ala Pro Ser Pro Ile Cys Thr Leu Val Ala Arg Val Ser Gln
115 120 125

Arg Gly His Pro Cys Pro Arg Thr Leu Ser Pro Ser Ser Ala Pro Cys
130 135 140

Phe Leu Ile Leu Lys Leu Gln Gly Gly Trp Glu Asp Ser Asn Gly Asn
145 150 155 160

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<210> 72
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 72
 Met Ala Val Trp Gly Asp Thr Glu Leu Ala Ala Gly Val Phe Cys Phe
 1 5 10 15
 Phe Leu Phe Phe Cys Phe Leu Tyr Leu Ser Gly Thr Trp Asn Ala Ser
 20 25 30
 Lys Thr Glu Leu Phe Thr Pro Leu Glu Arg Glu Leu Lys Pro Gly His
 35 40 45
 Pro Ser Gly Met Leu Ser Gly Ser His Pro His Gly Ala Gln Gln Ala
 50 55 60
 Lys Ser Thr Gly Leu Lys Leu Ser Leu Pro Ala Gln Gln Ser Glu Val
 65 70 75 80
 Asp Leu Gly Cys Ser Ser Leu Val Trp Gly Gly Ala Ser Ala Ile Thr
 85 90 95
 Glu Ala Leu

<210> 73
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 73
 Met Val Val Leu Phe Arg Trp Val Pro Val Thr Asp Ala Tyr Trp Gln
 1 5 10 15
 Ile Leu Phe Ser Val Leu Lys Val Thr Arg Asn Leu Lys Glu Leu Asp
 20 25 30
 Leu Ser Gly Asn Ser Leu Ser His Ser Ala Val Lys Ser Leu Cys Lys
 35 40 45
 Thr Leu Arg Arg Pro Arg Cys Leu Leu Glu Thr Leu Arg Leu Ala Gly
 50 55 60
 Cys Gly Leu Thr Ala Glu Asp Cys Lys Asp Leu Ala Phe Gly Leu Arg
 65 70 75 80
 Ala Asn Gln Thr Leu Thr Glu Leu Asp Leu Ser Phe Asn Val Leu Thr
 85 90 95
 Asp Ala Gly Ala Lys His Leu Cys Gln Arg Leu Arg Gln Pro Ser Cys
 100 105 110
 Lys Leu Gln Arg Leu Gln Leu Val Ser Cys Gly Leu Thr Ser Asp Cys
 115 120 125
 Cys Gln Asp Leu Ala Ser Val Leu Ser Ala Ser Pro Ser Leu Lys Glu
 130 135 140

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Leu Asp Leu Gln Gln Asn Asn Leu Asp Asp Val Gly Val Arg Leu Leu
145 150 155 160

Cys Glu Gly Leu Ser Ile Leu Pro Ala Asn Ser Tyr Ala Trp Gly Trp
165 170 175

Thr Arg Gln Leu
180

<210> 74
<211> 62
<212> PRT
<213> Homo sapiens

<400> 74
Met Leu Leu Arg His Pro Leu Pro Val Cys Phe Cys Phe Ser Phe Cys
1 5 10 15

Pro Phe Pro Val Ser Ala Leu Ser Leu Leu Pro Ile Gly Leu Val Arg
20 25 30

Glu Gly Ala Ala Ser Pro Thr Gln Gln Leu Arg Leu Gln Arg Glu Ser
35 40 45

Leu Ser Ser Ile Thr His Arg Val Asn Ile Lys Glu Gly His
50 55 60

<210> 75
<211> 73
<212> PRT
<213> Homo sapiens

<400> 75
Met Ala Thr Pro Arg Gly Leu Gly Ala Leu Leu Leu Leu Leu Leu
1 5 10 15

Pro Thr Ser Gly Gln Glu Lys Pro Thr Glu Gly Pro Arg Asn Thr Cys
20 25 30

Leu Gly Ser Asn Asn Met Tyr Asp Ile Phe Asn Leu Asn Asp Lys Ala
35 40 45

Leu Cys Phe Thr Lys Cys Arg Gln Ser Gly Ser Asp Ser Cys Asn Val
50 55 60

Glu Asn Leu Gln Arg Phe Arg Gly Arg
65 70

<210> 76
<211> 130
<212> PRT
<213> Homo sapiens

<400> 76
Met Ala Phe Phe Phe Thr Phe Met Ala Gln Leu Val Ile Ser Ile Ile
1 5 10 15

009999 07000

Leu Val Ser Cys Ala Leu Pro Met Trp Lys Val Thr Ala Phe Ile Gly
20 25 30

Asn Ser Ile Val Val Ala Gln Val Val Trp Glu Gly Leu Trp Met Ser
35 40 45

Cys Val Val Gln Ser Thr Gly Gln Met Gln Cys Lys Val Tyr Asp Ser
50 55 60

Leu Leu Ala Leu Pro Gln Asp Leu Gln Ala Ala Arg Ala Leu Cys Val
65 70 75 80

Ile Ala Leu Leu Val Ala Leu Phe Gly Leu Leu Val Tyr Leu Ala Gly
85 90 95

Ala Lys Cys Thr Thr Cys Phe Tyr Ile Arg Ile Pro Arg Pro Ala Trp
100 105 110

Cys Ser Pro Leu Gly Leu Ser Leu Ser Ser Gln Gly Ser
115 120 125

<210> 79

<211> 218

<212> PRT

<213> Homo sapiens

<400> 79

Met Glu Ser Arg Met Trp Pro Ala Leu Leu Leu Ser His Leu Leu Pro
1 5 10 15

Leu Trp Pro Leu Leu Leu Leu Pro Leu Pro Pro Pro Ala Gln Gly Ser
20 25 30

Ser Ser Pro Pro Arg Thr Pro Pro Pro Pro Ala Arg Pro Pro Cys Ala
35 40 45

Arg Gly Gly Pro Ser Ala Pro Arg His Val Cys Val Trp Glu Arg Ala
50 55 60

Pro Pro Pro Ser Arg Ser Pro Arg Val Pro Arg Ser Arg Arg Gln Val
65 70 75 80

Leu Pro Gly Thr Ala Pro Pro Ala Thr Pro Ser Gly Phe Glu Glu Gly
85 90 95

Pro Pro Ser Ser Gln Tyr Pro Trp Ala Ile Val Trp Gly Pro Thr Val
100 105 110

Ser Arg Glu Asp Gly Gly Asp Pro Asn Ser Ala Asn Pro Gly Phe Leu
115 120 125

Asp Tyr Gly Phe Ala Ala Pro His Gly Leu Ala Thr Pro His Pro Asn
130 135 140

Ser Asp Ser Met Arg Gly Asp Gly Met Gly Leu Ser Leu Glu Arg His
145 150 155 160

Leu Pro Pro Cys Gly His Ser Cys Ser Gly Ala Val Gly Lys Val Trp
165 170 175

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Thr Pro Ser Ser Met Ser Gln Leu Pro Ser Pro Ser Ser Leu Phe Ser
180 185 190

Trp Pro Leu Ala Ser Ser Ser Ser Ser Ala Gly Thr Ala Ala Arg Ser
195 200 205

Asp Ala Asp Pro Gln Gly Ser Lys Val Pro
210 215

<210> 80
<211> 232
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 80
Met Ala Ile Ser Ile Pro Asn Arg Ile Phe Pro Ile Thr Ala Leu Thr
1 5 10 15

Leu Leu Ala Leu Val Tyr Ser Leu Val Leu Leu Leu Pro Phe Tyr Asn
20 25 30

Cys Thr Glu Xaa Thr Lys Tyr Arg Arg Phe Pro Asp Trp Leu Asp His
35 40 45

Trp Met Leu Cys Arg Lys Gln Leu Gly Leu Val Ala Leu Gly Phe Ala
50 55 60

Phe Leu Xaa Val Leu Xaa Xaa Leu Val Ile Pro Ile Arg Tyr Tyr Val
65 70 75 80

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Arg Xaa Arg Leu Gly Asn Leu Thr Val Thr Gln Xaa Ile Leu Lys Lys
85 90 95

Glu Asn Pro Phe Ser Thr Ser Ser Ala Trp Leu Ser Asp Ser Tyr Val
100 105 110

Ala Leu Gly Ile Leu Gly Phe Phe Leu Phe Val Leu Leu Gly Ile Thr
115 120 125

Ser Leu Pro Ser Val Ser Asn Ala Val Asn Trp Arg Glu Phe Arg Phe
130 135 140

Val Gln Ser Lys Leu Gly Tyr Leu Thr Leu Ile Leu Cys Thr Ala His
145 150 155 160

Thr Leu Val Tyr Gly Gly Lys Arg Phe Leu Ser Pro Ser Asn Leu Arg
165 170 175

Trp Tyr Leu Pro Ala Ala Tyr Val Leu Gly Leu Ile Ile Pro Cys Thr
180 185 190

Val Leu Val Ile Lys Phe Val Leu Ile Met Pro Cys Val Asp Asn Thr
195 200 205

Leu Thr Arg Ile Arg Arg Ala Gly Lys Gly Thr Gln Asn Thr Arg Lys
210 215 220

Ser Ile Glu Trp Lys Ile Asn Ile
225 230

<210> 81
<211> 121
<212> PRT
<213> Homo sapiens

<400> 81

Met Val Phe Phe Thr Cys Leu Trp Phe Leu Asn Glu His Ile Leu Val
1 5 10 15

Cys Asn Cys Ser Asn Val Ser Leu Cys Tyr Ser Leu Pro Leu Lys Glu
20 25 30

Lys Ile Thr Phe Phe Tyr Asn Leu Thr His Tyr Phe Phe Asn Arg Cys
35 40 45

Phe Lys His Leu Phe Val Phe Val Glu Gln Ile Phe Leu Asn Ile Val
50 55 60

Tyr Thr Arg Asn Leu Ile Val Tyr Phe Ser Glu Leu Asn Tyr Ala Ile
65 70 75 80

Cys Ser Ser Val Asn Glu Ala Leu Thr Val Gln Ser Asn Pro Leu Lys
85 90 95

Val Leu Pro Trp Glu Ile Arg Arg Val Ser Asn Ser Gln Cys Leu Ser
100 105 110

Leu Ile Ser Val Pro Tyr Asn Asn Thr
115 120

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<212> PRT

<213> Homo sapiens

<400> 86

Met Ala Cys Leu Gly Ala Pro Ile Ser Ser Leu Leu Cys Trp Leu Leu

1

5

10

15

Leu Ala Leu Ile Ala Leu Glu Ile Val Pro Pro Ala Ala Pro Cys Glu

20

25

30

Val Leu Thr Pro Leu Gln Ser Ser Thr Asn Pro Ile Val Asn Lys Leu

35

40

45

Gly Val Lys Asp Val Asn Glu Leu Val Thr Pro Met Gln Gly Ile Gln

50

55

60

Thr Cys Phe Asn Ile Lys Lys Lys Trp Pro

65

70

<210> 87

<211> 125

<212> PRT

<213> Homo sapiens

<400> 87

Met Val Ala Arg Val Phe Tyr Tyr Leu Cys Val Ile Ala Leu Gln Tyr

1

5

10

15

Val Ala Pro Leu Val Met Leu Leu His Thr Thr Leu Leu Leu Lys Thr

20

25

30

Leu Gly Asn His Ser Trp Gly Ile Tyr Pro Glu Ser Ile Ser Thr Leu

35

40

45

Pro Val Asp Asn Ser Leu Leu Ser Asn Ser Val Tyr Ser Glu Leu Pro

50

55

60

Ser Ala Glu Gly Lys Met Lys Val Thr Val Thr Gln Ile Thr Val Ala

65

70

75

80

Leu Ser Ser Leu Lys Asn Ile Phe Thr Pro Leu Leu Phe Arg Gly Leu

85

90

95

Leu Ser Phe Leu Thr Trp Trp Ile Ala Ala Cys Leu Phe Ser Thr Ser

100

105

110

Leu Phe Gly Leu Phe Tyr His Gln Tyr Leu Thr Val Ala

115

120

125

<210> 88

<211> 257

<212> PRT

<213> Homo sapiens

<400> 88

Met Leu Leu Thr Leu Ala Gly Gly Ala Leu Phe Phe Pro Gly Leu Phe

1

5

10

15

Ala Leu Cys Thr Trp Ala Leu Arg Arg Ser Gln Pro Gly Trp Ser Arg

Gly

<400> 89

Phe Leu Leu Val Pro Leu Ala Leu Ala Gln Cys Val Val Pro Ala Gly
20 25 30

Phe Leu Gly Lys Cys Cys Leu Leu Gly Arg Leu Met Cys Ala Glu Cys

35 40 45
 Ile Gly Thr Tyr Ser Trp Asp Gln Pro Arg Arg Arg Glu Glu Met Glu
 50 55 60
 Ala Arg Leu Asp Ser Gly Arg Ser Trp Ala Ser Val Leu Tyr Gly His
 65 70 75 80
 Arg Pro Gln Leu His Gly Glu Pro Cys Thr Ala Val Ala Cys Arg Arg
 85 90 95
 Val Pro Cys Cys Ser Glu Gly Ala Gly Pro Phe Ser Ser Leu Thr Asp
 100 105 110
 Gln Gln Leu Asn Ala Val Tyr Pro Gly
 115 120

<210> 90
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 90
 Met Pro Thr Arg Gln Leu His Phe Lys Gln Leu Gln Leu Gln Gly Leu
 1 5 10 15
 Leu Ile Val Ile Ala Val Thr Asp Asn Cys Leu Ser Phe Ser Val Lys
 20 25 30
 Gly Asn Leu Gly Thr Cys Pro Val Arg Ile Leu Val Ala Ser Phe Cys
 35 40 45
 Val His Val Cys Val His Val Arg Val Tyr Phe Ile Gln Ile Ser Leu
 50 55 60
 Cys Leu Lys Ser Gly Arg Lys Tyr Phe Lys Phe Leu Leu Leu Asn Cys
 65 70 75 80
 Ala Asn Val Glu Ile Ser Ser
 85

<210> 91
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 91
 Met Gly Gln Met Gln Leu Cys Trp Gly His Trp Glu Thr Phe Leu Pro
 1 5 10 15
 Leu Leu Arg Leu Leu Val Ala Ile Val Leu Cys Lys Val Ser Ile Met
 20 25 30
 Lys Glu Val Ile Ser Phe Gly Arg Leu Leu Glu Thr Met Leu Ile Pro
 35 40 45
 Trp Pro Cys Val Thr Leu Met Val Met Glu Arg Lys Ser Phe Leu Leu
 50 55 60

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Gln Lys

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<210> 92
<211> 508
<212> PRT
<213> Homo sapiens
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<400> 92
Met Ala Gly Arg Thr Thr Ala Ala Pro Arg Gly Pro Tyr Gly Pro Trp
1 5 10 15

Leu Cys Leu Leu Val Ala Leu Ala Leu Asp Val Val Arg Val Asp Cys
20 25 30

Gly Gln Ala Pro Leu Asp Pro Val Tyr Leu Pro Ala Ala Leu Glu Leu
35 40 45

Leu Asp Ala Pro Glu His Phe Arg Val Gln Gln Val Gly His Tyr Pro
50 55 60

Pro Ala Asn Ser Ser Leu Ser Ser Arg Ser Glu Thr Phe Leu Leu Leu
65 70 75 80

Gln Pro Trp Pro Arg Ala Gln Pro Leu Leu Arg Ala Ser Tyr Pro Pro
85 90 95

Phe Ala Thr Gln Gln Val Val Pro Pro Arg Val Thr Glu Pro His Gln
100 105 110

Arg Pro Val Pro Trp Asp Val Arg Ala Val Ser Val Glu Ala Ala Val
115 120 125

Thr Pro Ala Glu Pro Tyr Ala Arg Val Leu Phe His Leu Lys Gly Gln
130 135 140

Asp Trp Pro Pro Gly Ser Gly Ser Leu Pro Cys Ala Arg Leu His Ala
145 150 155 160

Thr His Pro Ala Gly Thr Ala His Gln Ala Cys Arg Phe Gln Pro Ser
165 170 175

Leu Gly Ala Cys Val Val Glu Leu Glu Leu Pro Ser His Trp Phe Ser
180 185 190

Gln Ala Ser Thr Thr Arg Ala Glu Leu Ala Tyr Thr Leu Glu Pro Ala
195 200 205

Ala Glu Gly Pro Gly Gly Cys Gly Ser Gly Glu Glu Asn Asp Pro Gly
210 215 220

Glu Gln Ala Leu Pro Val Gly Gly Val Glu Leu Arg Pro Ala Asp Pro
225 230 235 240

Pro Gln Tyr Gln Glu Val Pro Leu Asp Glu Ala Val Thr Leu Arg Val
245 250 255

Pro Asp Met Pro Val Arg Pro Gly Gln Leu Phe Ser Ala Thr Leu Leu
260 265 270

Leu Arg His Asn Phe Thr Ala Ser Leu Leu Thr Leu Arg Ile Lys Val
275 280 285

Lys Lys Gly Leu His Val Thr Ala Ala Arg Pro Ala Gln Pro Thr Leu
290 295 300

Trp Thr Ala Lys Leu Asp Arg Phe Lys Gly Ser Arg His His Thr Thr
305 310 315 320

Leu Ile Thr Cys His Arg Ala Gly Leu Thr Glu Pro Asp Ser Ser Ser
325 330 335

Pro Leu Glu Leu Ser Glu Phe Leu Trp Val Asp Phe Val Val Glu Asn
340 345 350

Ser Thr Gly Gly Gly Val Ala Val Thr Arg Pro Val Thr Trp Gln Leu
355 360 365

Glu Tyr Pro Gly Gln Ala Pro Glu Ala Glu Lys Asp Lys Met Val Trp
370 375 380

Glu Ile Leu Val Ser Glu Arg Asp Ile Arg Ala Leu Ile Pro Leu Ala
385 390 395 400

Lys Val Ser Glu Ala Cys Asp Ala Val Phe Val Ala Gly Lys Glu Ser
405 410 415

Arg Gly Ala Arg Gly Val Arg Val Asp Phe Trp Trp Arg Arg Leu Arg
420 425 430

Ala Ser Leu Arg Leu Thr Val Trp Ala Pro Leu Leu Pro Leu Arg Ile
435 440 445

Glu Leu Thr Asp Thr Thr Leu Glu Gln Val Arg Gly Trp Arg Val Pro
450 455 460

Gly Pro Ala Glu Gly Pro Ala Glu Pro Ala Ala Glu Ala Ser Asp Glu
465 470 475 480

Ala Glu Arg Arg Ala Arg Gly Cys His Leu Gln Tyr Gln Arg Ala Gly
485 490 495

Val Arg Phe Leu Ala Pro Phe Ala Ala His Pro Leu
500 505

<210> 93

<211> 47

<212> PRT

<213> Homo sapiens

<400> 93

Met Phe Gly Ser Arg Gly Leu Leu Cys Met Cys Val Phe Phe Phe Asn
1 5 10 15

Ile Leu Ala Ser Gln Cys Lys Val Ile Ser Ser Gly Gly Met Leu Cys
20 25 30

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<210> 97
 <211> 117
 <212> PRT
 <213> Homo sapiens

<400> 97
 Met Asp Thr Phe Cys Val Leu Ile Leu Cys Val Tyr Thr Cys Ala Ala
 1 5 10 15
 His Met Ser Ile His Arg Cys Val Cys Ile Leu Cys Val Tyr Phe Val
 20 25 30
 His Leu Trp Met Cys Val Cys Thr Ile Glu Ser Ile Ser Arg Arg Glu
 35 40 45
 Arg Glu Cys Val Cys Val Cys Val His Val Trp Met Cys Gly Tyr Ser
 50 55 60
 Met Ser Val Phe Arg Val Gln Val Tyr Gly Cys Ser Cys Ala Val Cys
 65 70 75 80
 Val Cys Ala His Thr His Ser Ala Ser Leu Cys Val Cys Met Cys Ile
 85 90 95
 Pro Cys Val Pro Met Tyr Arg Gly Cys Val Tyr Pro Ala Cys Leu Cys
 100 105 110
 Met Gly Glu His Met
 115

<210> 98
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 98
 Met Ser Thr Val Thr Trp Leu Leu Lys Leu Phe Thr Gln Phe Met Phe
 1 5 10 15
 Pro Pro Thr Val Ser Asn Ser His Thr Cys Ala Arg Tyr Tyr Val Phe
 20 25 30
 Asn Phe Cys Leu Ile Ile Ser Phe Asn Phe Asn Phe His Tyr His Trp
 35 40 45

<210> 99
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 99
 Met Gln Ala Gln Phe Cys Cys Ser Ala Val Cys Ser Ala Phe Leu His
 1 5 10 15
 Ile Leu Ala Ser Pro Ser Gly Ala Lys Met Ala Ala Ala Phe Gln Ala

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20 25 30
 Ser His Pro Asp Ser Asp Pro Glu Lys Leu Pro Ile Pro Thr Trp Val
 35 40 45
 Ser Leu Cys Arg Asn Glu Lys Pro His Pro Ala Ala Glu Thr Ser Pro
 50 55 60
 Ser Ser Val Phe Ser Gly Leu Ile His Gln Arg Arg Pro Pro Leu Asn
 65 70 75 80
 Gln Ser Leu Ala Lys Arg Met Gly Pro Pro Gly Arg Leu Asp Gln Thr
 85 90 95
 Gly Pro Ala Leu Trp Gly Trp Gly Glu Ala Gln Met Lys Ala Ala Gly
 100 105 110
 Gln Asp Gly Leu Leu Asp Leu Cys Tyr Gln Gln
 115 120

 <210> 100
 <211> 131
 <212> PRT
 <213> Homo sapiens

 <400> 100
 Met Ile Thr Lys Pro Ser Lys Arg Gly Ile Ile Tyr Cys Leu Pro Leu
 1 5 10 15
 Leu Phe Gln Leu Ser His Leu Ser Leu Ala Asn Leu Phe Leu Thr Ser
 20 25 30
 Leu Thr Ser Pro His Leu Thr Glu Phe Phe His Leu Leu Cys Gln Thr
 35 40 45
 Thr Gly Tyr Ser Asp Asp Asn Leu Leu Ser Leu Pro Val Ser Ser Gln
 50 55 60
 Thr Lys Ala Cys Phe Thr Lys Trp Gly Val Ser Ala Ala Ser Ser Ser
 65 70 75 80
 Pro Leu Thr His Ser Cys Ser Ala Arg Gly Ser Gly Arg Val Ser Glu
 85 90 95
 His Arg Cys Gly Met Gln Ser Pro Arg Pro His Ala His Pro Ser Phe
 100 105 110
 Ser Cys Thr Ser Ala Asn Ser Ser Trp Leu Thr Cys Ala Ser Trp Leu
 115 120 125

 Glu Ser Leu
 130

<210> 101
 <211> 333
 <212> PRT
 <213> Homo sapiens

<400> 101

Met Ser Pro Trp Ser Trp Phe Leu Leu Gln Thr Leu Cys Leu Leu Pro
 1 5 10 15
 Thr Gly Ala Ala Ser Arg Arg Gly Ala Pro Gly Thr Ala Asn Cys Glu
 20 25 30
 Leu Lys Pro Gln Gln Ser Glu Leu Asn Ser Phe Leu Trp Thr Ile Lys
 35 40 45
 Arg Asp Pro Pro Ser Tyr Phe Phe Gly Thr Ile His Val Pro Tyr Thr
 50 55 60
 Arg Val Trp Asp Phe Ile Pro Asp Asn Ser Lys Glu Ala Phe Leu Gln
 65 70 75 80
 Ser Ser Ile Val Tyr Phe Glu Leu Asp Leu Thr Asp Pro Tyr Thr Ile
 85 90 95
 Ser Ala Leu Thr Ser Cys Gln Met Leu Pro Gln Gly Glu Asn Leu Gln
 100 105 110
 Asp Val Leu Pro Arg Asp Ile Tyr Cys Arg Leu Lys Arg His Leu Glu
 115 120 125
 Tyr Val Lys Leu Met Met Pro Leu Trp Met Thr Pro Asp Gln Arg Gly
 130 135 140
 Lys Gly Leu Tyr Ala Asp Tyr Leu Phe Asn Ala Ile Ala Gly Asn Trp
 145 150 155 160
 Glu Arg Lys Arg Pro Val Trp Val Met Leu Met Val Asn Ser Leu Thr
 165 170 175
 Glu Val Asp Ile Lys Ser Arg Gly Val Pro Val Leu Asp Leu Phe Leu
 180 185 190
 Ala Gln Glu Ala Glu Arg Leu Arg Lys Gln Thr Gly Ala Val Glu Lys
 195 200 205
 Val Glu Glu Gln Cys His Pro Leu Asn Gly Leu Asn Phe Ser Gln Val
 210 215 220
 Ile Phe Ala Leu Asn Gln Thr Leu Leu Gln Gln Glu Ser Leu Arg Ala
 225 230 235 240
 Gly Ser Leu Gln Ile Pro Tyr Thr Thr Glu Asp Leu Ile Lys His Tyr
 245 250 255
 Asn Cys Gly Asp Leu Ser Ser Val Ile Leu Ser His Asp Ser Ser Gln
 260 265 270
 Val Pro Asn Phe Ile Asn Ala Thr Leu Pro Pro Gln Glu Arg Ile Thr
 275 280 285
 Ala Gln Glu Ile Asp Ser Tyr Leu Arg Arg Glu Leu Ile Tyr Lys Arg
 290 295 300
 Asn Glu Arg Ile Gly Lys Arg Val Lys Ala Leu Leu Glu Glu Phe Pro
 305 310 315 320
 Asp Lys Gly Phe Phe Phe Ala Phe Gly Ala Ala Ser Gln

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325

330

<210> 102
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 102
 Met Thr Trp Thr Lys Cys Pro Leu Pro Leu Gly Pro Ala Phe Phe Thr
 1 5 10 15
 Gln Cys Cys Leu Ile Gly Leu Leu Val Pro Leu Leu Gly Trp Gly Asn
 20 25 30
 Gln Asn Thr Gln Trp Tyr Pro Thr Ser Lys Met Pro Asp Leu Lys Asp
 35 40 45
 Ser Lys Thr Thr Asp Leu Cys Gln His Val Lys His Met Val
 50 55 60

<210> 103
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 103
 Met Ser Glu Thr Phe Leu Glu Ser Val Asn Leu Leu Leu Val Ile Pro
 1 5 10 15
 Val Ala Thr Thr Leu Ile Ser Trp Met Ala Pro Arg Lys Lys Glu Ser
 20 25 30
 Phe Gln Glu Leu Ser Arg Gln Val Val Pro Cys Gln Met Met Leu Leu
 35 40 45
 Ser Thr Val Leu Pro Cys Leu Thr His Pro Arg Ile Lys Lys Gly Val
 50 55 60
 Leu Arg Phe Pro Gly Val Thr Leu Trp Leu Tyr Leu Arg Pro Phe Gln
 65 70 75 80
 Phe Tyr Gln Phe Ile Pro Met Asp His Arg Ser Leu Asp Ser Gln Phe
 85 90 95
 Arg Met Arg

<210> 104
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 104
 Met Gly Ala Asn Phe Thr Val Phe Leu Gln Tyr Leu Val Phe Pro Ile
 1 5 10 15
 Phe Gly Phe Leu Leu Ile Ile Ser His Pro Ser Gln Pro Leu Phe Ser
 20 25 30

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20 25 30
 Arg Gly Glu Ala Leu Leu Gly Asn Ile Ser Arg Ala Phe Leu His Leu
 35 40 45
 Pro Trp Phe Pro Ala Gln Pro Lys Ile Ile Trp Gln Pro Ser Gly Trp
 50 55 60

Asn
 65

<210> 109
 <211> 209
 <212> PRT
 <213> Homo sapiens

<400> 109
 Met Glu Pro Leu Ala Ala Tyr Pro Leu Lys Cys Ser Gly Pro Arg Ala
 1 5 10 15
 Lys Val Phe Ala Val Leu Leu Ser Ile Val Leu Cys Thr Val Thr Leu
 20 25 30
 Phe Leu Leu Gln Leu Lys Phe Leu Lys Pro Lys Ile Asn Ser Phe Tyr
 35 40 45
 Ala Phe Glu Val Lys Asp Ala Lys Gly Arg Thr Val Ser Leu Glu Lys
 50 55 60
 Tyr Lys Gly Lys Val Ser Leu Val Val Asn Val Ala Ser Asp Cys Gln
 65 70 75 80
 Leu Thr Asp Arg Asn Tyr Leu Gly Leu Lys Glu Leu His Lys Glu Phe
 85 90 95
 Gly Pro Ser His Phe Ser Val Leu Ala Phe Pro Cys Asn Gln Phe Gly
 100 105 110
 Glu Ser Glu Pro Arg Pro Ser Lys Glu Val Glu Ser Phe Ala Arg Lys
 115 120 125
 Asn Tyr Gly Val Thr Phe Pro Ile Phe His Lys Ile Lys Ile Leu Gly
 130 135 140
 Ser Glu Gly Glu Pro Ala Phe Arg Phe Leu Val Asp Ser Ser Lys Lys
 145 150 155 160
 Glu Pro Arg Trp Asn Phe Trp Lys Tyr Leu Val Asn Pro Glu Gly Gln
 165 170 175
 Val Val Lys Phe Trp Arg Pro Glu Glu Pro Ile Glu Val Ile Arg Pro
 180 185 190
 Asp Ile Ala Ala Leu Val Arg Gln Val Ile Ile Lys Lys Lys Glu Asp
 195 200 205

Leu

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<212> PRT
<213> Homo sapiens

<400> 112

Met Arg Leu Val Thr Ala Ala Leu Leu Leu Gly Leu Met Met Val Val
1 5 10 15
Thr Gly Asp Glu Asp Glu Asn Ser Pro Cys Ala His Glu Ala Leu Leu
20 25 30
Asp Glu Asp Thr Leu Phe Cys Gln Gly Leu Glu Val Phe Tyr Pro Glu
35 40 45
Leu Gly Asn Ile Gly Cys Lys Val Val Pro Asp Cys Asn Asn Tyr Arg
50 55 60
Gln Lys Ile Thr Ser Trp Met Glu Ala Asp Ser Gln Val Pro Gly Gly
65 70 75 80
Arg Gly Arg Arg Asn Leu
85

<210> 113
<211> 29
<212> PRT
<213> Homo sapiens

<400> 113

Ala Ala Pro Asp Gly Gly Thr Met Ser Ser Ser Gly Gly Ala Pro Gly
1 5 10 15
Ala Ser Ala Ser Ser Ala Pro Pro Ala Gln Glu Glu Gly
20 25

<210> 114
<211> 191
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 114

Arg Arg Arg Arg Asn Gln Asp Arg Pro Gln Leu Xaa Lys Lys Phe Cys
1 5 10 15
Glu Ala Ser Trp Arg Phe Leu Phe Tyr Leu Ser Ser Phe Val Gly Gly
20 25 30
Leu Ser Val Leu Tyr His Glu Ser Trp Leu Trp Ala Pro Val Met Cys
35 40 45
Trp Asp Arg Tyr Pro Asn Gln Thr Leu Lys Pro Ser Leu Tyr Trp Trp
50 55 60
Tyr Leu Leu Glu Leu Gly Phe Tyr Leu Ser Leu Leu Ile Arg Leu Pro
65 70 75 80

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<210> 128
<211> 41
<212> PRT
<213> Homo sapiens
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<210> 129
<211> 17
<212> PRT
<213> Homo sapiens
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Gly

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<210> 130
<211> 8
<212> PRT
<213> Homo sapiens
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<210> 136
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 136
 Glu Thr Phe Val Ala Cys Ile Ile Phe Ala Phe Ile
 1 5 10

<210> 137
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 137
 Ala Leu Glu Trp Cys Val Ala Val Tyr
 1 5

<210> 138
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 138
 Cys Thr Asn Val Leu Pro Ile Pro Phe Pro
 1 5 10

<210> 139
 <211> 442
 <212> PRT
 <213> Homo sapiens

<400> 139
 Gly Leu Asp Thr Gly Glu Met Ser Asn Ser Thr Ser Ser Leu Lys Arg
 1 5 10 15

Gln Arg Leu Gly Ser Glu Arg Ala Ala Ser His Val Ala Gln Ala Asn
 20 25 30

Leu Lys Leu Leu Asp Val Ser Lys Ile Phe Pro Ile Ala Glu Ile Ala
 35 40 45

Glu Glu Ser Ser Pro Glu Val Val Pro Val Glu Leu Leu Cys Met Pro
 50 55 60

Ser Pro Ala Ser Gln Gly Asp Leu His Thr Lys Pro Leu Gly Thr Asp
 65 70 75 80

Asp Asp Phe Trp Gly Pro Thr Gly Pro Val Ala Thr Glu Val Val Asp
 85 90 95

Lys Glu Lys Asn Leu Tyr Arg Val His Phe Pro Val Ala Gly Ser Tyr
 100 105 110

Arg Trp Pro Asn Thr Gly Leu Cys Phe Val Met Arg Glu Ala Val Thr
 115 120 125

Val Glu Ile Glu Phe Cys Val Trp Asp Gln Phe Leu Gly Glu Ile Asn

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130	135	140
Pro Gln His Ser Trp Met Val Ala Gly Pro Leu Leu Asp Ile Lys Ala		
145	150	155 160
Glu Pro Gly Ala Val Glu Ala Val His Leu Pro His Phe Val Ala Leu		
	165	170 175
Gln Gly Gly His Val Asp Thr Ser Leu Phe Gln Val Ala His Phe Lys		
	180	185 190
Glu Glu Gly Met Leu Leu Glu Lys Pro Ala Arg Val Glu Leu His His		
	195	200 205
Ile Val Leu Glu Asn Pro Ser Phe Ser Pro Leu Gly Val Leu Leu Lys		
	210	215 220
Met Ile His Asn Ala Leu Arg Phe Ile Pro Val Thr Ser Val Val Leu		
225	230	235 240
Leu Tyr His Arg Val His Pro Glu Glu Val Thr Phe His Leu Tyr Leu		
	245	250 255
Ile Pro Ser Asp Cys Ser Ile Arg Lys Glu Leu Glu Leu Cys Tyr Arg		
	260	265 270
Ser Pro Gly Glu Asp Gln Leu Phe Ser Glu Phe Tyr Val Gly His Leu		
	275	280 285
Gly Ser Gly Ile Arg Leu Gln Val Lys Asp Lys Lys Asp Glu Thr Leu		
	290	295 300
Val Trp Glu Ala Leu Val Lys Pro Gly Asp Leu Met Pro Ala Thr Thr		
305	310	315 320
Leu Ile Pro Pro Ala Arg Ile Ser Val Pro Ser Pro Leu Asp Ala Pro		
	325	330 335
Gln Leu Leu His Phe Val Asp Gln Tyr Arg Glu Gln Leu Ile Ala Arg		
	340	345 350
Val Thr Ser Val Glu Val Val Leu Asp Lys Leu His Gly Gln Val Leu		
	355	360 365
Ser Gln Glu Gln Tyr Glu Arg Val Leu Ala Glu Asn Thr Arg Pro Ser		
	370	375 380
Gln Met Arg Lys Leu Phe Ser Leu Ser Gln Ser Trp Asp Arg Lys Cys		
385	390	395 400
Lys Asp Gly Leu Tyr Gln Ala Leu Lys Glu Thr His Pro His Ser Leu		
	405	410 415
Trp Asn Ser Gly Arg Arg Ala Ala Lys Arg Asp Ser Cys His Ser Ala		
	420	425 430
Ala Glu Val Ser Thr Leu Ala Leu Asp Pro		
	435	440

<210> 140

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35 40 45
 Asp Ser Ser Phe Ser Phe Met Ala Phe Phe Phe Thr Phe Met Ala Gln
 50 55 60
 Leu Val Ile Ser Ile Ile Gln Ala Val Gly Ile Pro Gly Trp Gly Val
 65 70 75 80
 Cys Gly Trp Ile Ala Thr Ile Ser Phe Phe Gly Thr Asn Ile Gly Ser
 85 90 95
 Ala Val Val Met Leu Ile Pro Thr Val Met Phe Thr Val Met Ala Val
 100 105 110
 Phe Ser Phe Ile Ala Leu Ser Met Val His Lys Phe Tyr Arg Gly Ser
 115 120 125
 Gly Gly Ser Phe Ser Lys Ala Gln Glu Glu Trp Thr Thr Gly Ala Trp
 130 135 140
 Lys Asn Pro His Val Gln Gln Ala Ala Gln Asn Ala Ala Met Gly Ala
 145 150 155 160
 Ala Gln Gly Ala Met Asn Gln Pro Gln Thr Gln Tyr Ser Ala Thr Pro
 165 170 175
 Asn Tyr Thr Tyr Ser Asn Glu Met
 180

<210> 154
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 154
 Ala Arg Glu Ser Ser Asn
 1 5

<210> 155
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 155
 Arg Asn Cys Thr Lys Ser Leu Asp His Pro Thr Ser Ala Cys Trp Leu
 1 5 10 15
 Phe Pro Asp Asn Gln Phe Gly Glu Ser Glu Pro Arg Pro Ser Lys Glu
 20 25 30
 Val Glu Ser Phe Ala Arg Lys Asn Tyr Gly Val Thr Phe Pro Ile Phe
 35 40 45
 His Lys Ile Lys Ile Leu Gly Ser Glu Gly Glu Pro Ala Phe Arg Phe
 50 55 60
 Leu Val Asp Ser Ser Lys Lys Glu Pro Arg Trp Asn Phe Trp Lys Tyr
 65 70 75 80

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Asn Pro Phe Ser Thr Ser Ser Ala Trp Leu Ser Asp Ser Tyr Val Ala
245 250 255

Leu Gly Ile Leu Gly Phe Phe Leu Phe Val Leu Leu Gly Ile Thr Ser
260 265 270

Leu Pro Ser Val Ser Asn Ala Val Asn Trp Arg Glu Phe Arg Phe Val
275 280 285

Gln Ser Lys Leu Gly Tyr Leu Thr Leu Ile Leu Cys Thr Ala His Thr
290 295 300

Leu Val Tyr Gly Gly Lys Arg Phe Leu Ser Pro Ser Asn Leu Arg Trp
305 310 315 320

Tyr Leu Pro Ala Ala Tyr Val Leu Gly Leu Ile Ile Pro Cys Thr Val
325 330 335

Leu Val Ile Lys Phe Val Leu Ile Met Pro Cys Val Asp Asn Thr Leu
340 345 350

Thr Arg Ile Arg Arg Ala Gly Lys Gly Thr Gln Asn Thr Arg Lys Ser
355 360 365

Ile Glu Trp Lys Ile Asn Ile
370 375

<210> 163

<211> 10

<212> PRT

<213> Homo sapiens

<400> 163

Lys Lys Thr Asn Lys Thr Lys Thr Tyr Tyr
1 5 10

<210> 164

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 164

Arg Ala Pro Pro Ser Ser Val Tyr Gln Asn Gln Gln Ala Arg Ala Gln
1 5 10 15

Leu Xaa Asp Phe Cys
20

<210> 165

<211> 38

<212> PRT

<213> Homo sapiens

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35 40 45
 Gly Leu Leu Cys Arg Leu His Leu His Gly Arg Thr Glu His Ser Val
 50 55 60
 Cys Val Ala Gly Gln Gly Ser Asp Ser Ala Lys Ala Ala Ala His Pro
 65 70 75 80
 Ser Val Gln Gly Glu Trp Asn Pro His Ala Gly His Leu Pro Phe Leu
 85 90 95
 Pro Asp Pro Ser Leu Pro Leu His Val Leu Val Leu Trp Pro Pro Ala
 100 105 110
 Gly Thr Lys Pro Ala Pro Ser Thr Leu Gln His Pro Ile Leu Leu Gln
 115 120 125
 Arg Gly Gln Cys Leu Pro Arg Ser Ser Ser Asp Leu Leu Val Leu Ser
 130 135 140
 Ala Val Gln Glu Gly Ser Pro Ala Leu
 145 150

<210> 170
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 170
 Cys Ala Leu Pro His Ser Ser Lys Leu Pro Lys Ser Lys Pro Pro His
 1 5 10 15

Asp His Thr Ser Cys
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<210> 171
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 171
 Glu Ala Pro Gly Arg Pro Trp Gly Leu Leu Cys Arg Leu His Leu His
 1 5 10 15

Gly Arg Thr Glu His Ser Val Cys
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<210> 172
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 172
 Gln Gly Ser Asp Ser Ala Lys Ala Ala Ala His Pro Ser Val Gln Gly
 1 5 10 15

Glu Trp Asn Pro His Ala Gly His Leu
 20 25

<210> 173
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 173
 Ala Pro Ser Thr Leu Gln His Pro Ile Leu Leu Gln Arg Gly Gln Cys
 1 5 10 15

Leu Pro Arg Ser Ser Ser Asp Leu
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<210> 174
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 174
 Ser Val His Ala Val Leu Ala Thr Gly Ser Gly
 1 5 10

<210> 175
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 175
 Thr Arg Pro Val Ser Cys Leu Thr Ala Gly Val Leu Asn Pro Glu Leu
 1 5 10 15

Gly Tyr Asp Ala Leu Leu Val Gly Thr Gln Thr Asn Leu Leu Ala Tyr
 20 25 30

Asp Val Tyr Asn Asn Ser Asp Leu Phe Tyr Arg Glu Val Ala Asp Gly
 35 40 45

Ala Asn Ala Ile Val Leu Gly Thr Leu Gly Asp Ile Ser Ser Pro Leu
 50 55 60

Ala Ile Ile Gly Gly Asn Cys Ala Leu Gln Gly Phe Asn His Glu Gly
 65 70 75 80

Ser Asp Leu Phe Trp Thr Val Thr Gly Asp Asn Val Asn Ser Leu Ala
 85 90 95

Leu Cys Asp Phe Asp Gly Asp Gly Lys Lys Glu Leu Leu Val Gly Ser
 100 105 110

Glu Asp Phe Asp Ile Arg Val Phe Lys Glu Asp Glu Ile Val Ala Glu
 115 120 125

Met Thr Glu Thr Glu Ile Val Thr Ser Leu Cys Pro Met Tyr Gly Ser
 130 135 140

Arg Phe Gly Tyr Ala Leu Ser Asn Gly Thr Val Gly Val Tyr Asp Lys
 145 150 155 160

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His Pro Leu Ala Gly Ser Gly Pro Asn Gln Leu Ser Tyr Ile Leu Gln
 260 265 270

Gly Lys Leu Pro Leu Val Thr Ala Ala Ser Thr Ser Asn Asn Thr
 275 280 285

<210> 183
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 183
 Leu Leu Arg Gly Cys Gln Ala Lys Gly Pro Thr Lys Ser Arg Leu Met
 1 5 10 15

Ser Ser Arg Gly Thr Glu Leu Arg Thr Ala
 20 25

<210> 184
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 184
 Met Gly Lys Ser Thr Thr Cys Ser Lys Asn Leu Trp Gly Ser Gly Ser
 1 5 10 15

Gln Arg Thr Gln Cys Arg Ala
 20

<210> 185
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 185
 Gly Ser Gly Glu Pro Cys Leu Pro Ser Arg Gln Pro Glu Cys Pro Pro
 1 5 10 15

Leu Gly Arg Val Phe Gly Arg Leu Cys Arg
 20 25

<210> 186
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 186
 Pro Thr Leu Lys Phe Lys Pro Lys Arg Ser Val Ala Ala Ala Ser Glu
 1 5 10 15

Met Ser Thr Gln Gly Gln Glu His
 20

<210> 187

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<211> 26
 <212> PRT
 <213> Homo sapiens

<400> 187
 Trp Gln Asp Ser Ser Leu Lys Pro Ile Asp Val Leu Arg Val Glu Pro
 1 5 10 15
 Gln Lys Gln Pro Leu Val Met Lys Gln Pro
 20 25

<210> 188
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 188
 Val Ala Val Gln Ala Thr Pro Arg Arg Ser Glu Val Trp Asn Ala Thr
 1 5 10 15
 Gly Cys Ala Asp Ala Gly Pro
 20

<210> 189
 <211> 223
 <212> PRT
 <213> Homo sapiens

<400> 189
 Asp Trp Leu Leu Ser Val Ser Phe Ala Ala Val Phe Phe Ser Val Ser
 1 5 10 15
 Ile Lys Gly Gly Arg Arg Ser Ile Ser Phe Ser Val Gly Ala Ser Ser
 20 25 30
 Val Val Gly Ser Gly Gly Ser Ser Asp Lys Gly Lys Leu Ser Leu Gln
 35 40 45
 Asp Val Ala Glu Leu Ile Arg Ala Arg Ala Cys Gln Arg Val Val Val
 50 55 60
 Met Val Gly Ala Gly Ile Ser Thr Pro Ser Gly Ile Pro Asp Phe Arg
 65 70 75 80
 Ser Pro Gly Ser Gly Leu Tyr Ser Asn Leu Gln Gln Tyr Asp Leu Pro
 85 90 95
 Tyr Pro Glu Ala Ile Phe Glu Leu Pro Phe Phe Phe His Asn Pro Lys
 100 105 110
 Pro Phe Phe Thr Leu Ala Lys Glu Leu Tyr Pro Gly Asn Tyr Lys Pro
 115 120 125
 Asn Val Thr His Tyr Phe Leu Arg Leu Leu His Asp Lys Gly Leu Leu
 130 135 140
 Leu Arg Leu Tyr Thr Gln Asn Ile Asp Gly Leu Glu Arg Gly Val Leu
 145 150 155 160

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<210> 201
<211> 33
<212> PRT
<213> Homo sapiens
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Pro

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<210> 202
<211> 27
<212> PRT
<213> Homo sapiens
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<400> 202
Phe Phe Gly Ser Arg Cys Pro Arg Gly Ser Cys Cys Met Trp Leu Ile
 1             5             10             15
Ser Pro Trp Gln Ile Cys Cys Ser Ser Leu Gly
      20             25

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<210> 203
<211> 184
<212> PRT
<213> Homo sapiens
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<400> 203
Thr Arg Pro Leu Ser Pro Thr Phe Ser Lys Leu Trp Ala Ala Gly Val
  1             5             10             15

Thr Val Cys Thr Asp Phe Ser Met Cys Val Cys Gly Cys Met Tyr Glu
      20             25             30

Cys Val Cys Val Phe Val Cys Leu Cys Ile Tyr Arg Gly Met Arg Val
      35             40             45

Pro Trp Val Cys Thr Leu Asp Ile Pro Leu Tyr Ile Leu Cys Val Leu
  50             55             60

Thr Trp Thr His Ser Val Tyr Leu Tyr Cys Val Tyr Thr His Val Gln
  65             70             75             80

Pro Ile Cys Pro Tyr Ile Gly Val Cys Val Tyr Tyr Val Cys Thr Leu
      85             90             95

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1 5 10 15
 Gly Asp Glu Glu Glu Asp Gly Lys Ala Leu Leu Ser Thr Leu Thr Arg
 20 25 30
 Thr Gln Ala Ala Ala Val Gln Lys Arg Tyr His Thr Tyr Thr Gln Thr
 35 40 45
 Met Arg Lys Lys Asp Lys Gln Ser Ile Arg Asp Val Arg Asp Ile Phe
 50 55 60
 Gly Val Ser Glu Ser Pro Pro Arg Asp Thr Cys Gly Asn His Thr Asn
 65 70 75 80
 Gln Leu Asp Gly Thr Lys Glu Glu Arg Glu Leu Pro Arg Val Ile Lys
 85 90 95
 Thr Ser Gly Ser Met Pro Asp Asp Ala Ser Leu Asn Ser Thr Thr Leu
 100 105 110
 Ser Asp Ala Ser Gln Asp Lys Glu Gly Ser Phe Ala Val Pro Arg Ser
 115 120 125
 Asp Ser Val Ala Ile Leu Glu Thr Ile Pro Val Leu Pro Val His Ser
 130 135 140
 Asn Gly Ser Pro Glu Pro Gly Gln Pro Val Gln Asn Ala Ile Ser Asp
 145 150 155 160
 Asp Asp Phe Leu Glu Lys Asn Ile Xaa Pro Glu Ala Glu Glu Leu Ser
 165 170 175
 Phe Glu Val Ser Tyr Ser Glu Met Val Thr Glu Ala Leu Lys Arg Asn
 180 185 190
 Lys Leu Lys Lys Ser Glu Ile Lys Lys Glu Asp Tyr Val Leu Thr Lys
 195 200 205
 Phe Asn Xaa Gln Lys Thr Arg Phe Gly Leu Thr
 210 215

<210> 209
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 209
 Val Glu Ala Glu Trp Leu Gln Asp Val Gly Leu Ser Thr Leu Ile Ser
 1 5 10 15

Gly Asp Glu Glu Glu Asp Gly Lys Ala Leu Leu Ser Thr Leu Thr Arg
 20 25 30
 Thr Gln Ala Ala Ala Val Gln Lys Arg Tyr His Thr Tyr Thr Gln Thr
 35 40 45

Met Arg
 50

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<210> 210
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 210
 Lys Lys Asp Lys Gln Ser Ile Arg Asp Val Arg Asp Ile Phe Gly Val
 1 5 10 15
 Ser Glu Ser Pro Pro Arg Asp Thr Cys Gly Asn His Thr Asn Gln Leu
 20 25 30
 Asp Gly Thr Lys Glu Glu Arg Glu Leu Pro Arg Val Ile Lys Thr Ser
 35 40 45
 Gly Ser Met Pro Asp Asp
 50

<210> 211
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 211
 Ala Ser Leu Asn Ser Thr Thr Leu Ser Asp Ala Ser Gln Asp Lys Glu
 1 5 10 15
 Gly Ser Phe Ala Val Pro Arg Ser Asp Ser Val Ala Ile Leu Glu Thr
 20 25 30
 Ile Pro Val Leu Pro Val His Ser Asn Gly Ser Pro Glu Pro Gly Gln
 35 40 45
 Pro Val Gln Asn
 50

<210> 212
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 212
 Ala Ile Ser Asp Asp Asp Phe Leu Glu Lys Asn Ile Xaa Pro Glu Ala
 1 5 10 15
 Glu Glu Leu Ser Phe Glu Val Ser Tyr Ser Glu Met Val Thr Glu Ala
 20 25 30
 Leu Lys Arg Asn Lys Leu Lys Lys Ser Glu Ile Lys Lys Glu Asp Tyr

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35

40

45

Val Leu Thr Lys Phe Asn Xaa Gln Lys Thr Arg Phe Gly Leu Thr
 50 55 60

<210> 213

<211> 32

<212> PRT

<213> Homo sapiens

<400> 213

Leu Ala Gln Thr Val Thr Asp Met Pro Leu Thr Gly Thr Asn His Asp
 1 5 10 15

Arg Gln Gly His Leu Leu Arg Ser Gly Thr Thr Tyr Tyr Leu Leu Ala
 20 25 30

<210> 214

<211> 11

<212> PRT

<213> Homo sapiens

<400> 214

Leu Ser Phe Leu Glu Leu Asp Ser Glu Cys Ser
 1 5 10

<210> 215

<211> 83

<212> PRT

<213> Homo sapiens

<400> 215

Trp Trp Ser Leu Glu Thr Arg Met Arg Thr Ala Arg Val Pro Met Arg
 1 5 10 15

Pro Ser Trp Thr Arg Thr Pro Ser Phe Ala Arg Ala Leu Lys Phe Ser
 20 25 30

Thr Gln Ser Trp Gly Thr Leu Ala Ala Arg Leu Phe Leu Ile Val Thr
 35 40 45

Thr Thr Asp Arg Arg Ser Pro Pro Gly Trp Lys Pro Ile Val Lys Phe
 50 55 60

Pro Gly Ala Val Asp Gly Ala Thr Tyr Asn Pro Gly Asp Gly Gly Ser
 65 70 75 80

Arg Cys Pro

<210> 216

<211> 20

<212> PRT

<213> Homo sapiens

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<400> 216

Met Arg Thr Ala Arg Val Pro Met Arg Pro Ser Trp Thr Arg Thr Pro
 1 5 10 15

Ser Phe Ala Arg
 20

<210> 217

<211> 21

<212> PRT

<213> Homo sapiens

<400> 217

Pro Gly Trp Lys Pro Ile Val Lys Phe Pro Gly Ala Val Asp Gly Ala
 1 5 10 15

Thr Tyr Asn Pro Gly
 20

<210> 218

<211> 149

<212> PRT

<213> Homo sapiens

<400> 218

Ser Ser Ser Arg Gly Pro Trp Thr Ala Gln Pro Ile Ile Leu Val Met
 1 5 10 15

Val Asp Pro Asp Ala Pro Ser Arg Ala Glu Pro Arg Gln Arg Phe Trp
 20 25 30

Arg His Trp Leu Val Thr Asp Ile Lys Gly Ala Asp Leu Lys Lys Gly
 35 40 45

Lys Ile Gln Gly Gln Glu Leu Ser Ala Tyr Gln Ala Pro Ser Pro Pro
 50 55 60

Ala His Ser Gly Phe His Arg Tyr Gln Phe Phe Val Tyr Leu Gln Glu
 65 70 75 80

Gly Lys Val Ile Ser Leu Leu Pro Lys Glu Asn Lys Thr Arg Gly Ser
 85 90 95

Trp Lys Met Asp Arg Phe Leu Asn Arg Phe His Leu Gly Glu Pro Glu
 100 105 110

Ala Ser Thr Gln Phe Met Thr Gln Asn Tyr Gln Asp Ser Pro Thr Leu
 115 120 125

Gln Ala Pro Arg Glu Arg Ala Ser Glu Pro Lys His Lys Asn Gln Ala
 130 135 140

Glu Ile Ala Ala Cys
 145

<210> 219

<211> 24

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 00559-0001

<212> PRT

<213> Homo sapiens

<400> 219

Pro Ile Ile Leu Val Met Val Asp Pro Asp Ala Pro Ser Arg Ala Glu
1 5 10 15

Pro Arg Gln Arg Phe Trp Arg His
20

<210> 220

<211> 23

<212> PRT

<213> Homo sapiens

<400> 220

Lys Ile Gln Gly Gln Glu Leu Ser Ala Tyr Gln Ala Pro Ser Pro Pro
1 5 10 15

Ala His Ser Gly Phe His Arg
20

<210> 221

<211> 20

<212> PRT

<213> Homo sapiens

<400> 221

Ile Ser Leu Leu Pro Lys Glu Asn Lys Thr Arg Gly Ser Trp Lys Met
1 5 10 15

Asp Arg Phe Leu
20

<210> 222

<211> 17

<212> PRT

<213> Homo sapiens

<400> 222

Gln Glu Leu Ser Ala Tyr Gln Ala Pro Ser Pro Pro Ala His Ser Gly
1 5 10 15

Phe

<210> 223

<211> 8

<212> PRT

<213> Homo sapiens

<400> 223

Pro Glu Val Pro Met Gly Trp Thr
1 5

<210> 224

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<211> 86
 <212> PRT
 <213> Homo sapiens

<400> 224
 Met Arg Leu Val Thr Ala Ala Leu Leu Leu Gly Leu Met Met Val Val
 1 5 10 15
 Thr Gly Asp Glu Asp Glu Asn Ser Pro Cys Ala His Glu Ala Leu Leu
 20 25 30
 Asp Glu Asp Thr Leu Phe Cys Gln Gly Leu Glu Val Phe Tyr Pro Glu
 35 40 45
 Leu Gly Asn Ile Gly Cys Lys Val Val Pro Asp Cys Asn Asn Tyr Arg
 50 55 60
 Gln Lys Ile Thr Ser Trp Met Glu Ala Asp Ser Gln Val Pro Gly Gly
 65 70 75 80
 Arg Gly Arg Arg Asn Leu
 85

<210> 225
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 225
 Pro Ile Leu Trp Gly Asn Arg Val Pro Met Glu Pro Gln Lys Cys His
 1 5 10 15
 Pro Ala Gly Trp His Gly Leu Gly Gln Glu Ala Glu Ala Gly Asp Gln
 20 25 30
 Asp Gly Arg Trp Arg Pro Gly Leu Pro Gln Arg Lys Arg Pro Pro Ala
 35 40 45
 Gly Ala Gly Gln Ala Trp Leu Ser Cys His Arg His Met Val Glu Arg
 50 55 60
 Gly Val Pro Cys Pro Pro Trp Gly Gly Gly Thr Arg Ala Leu Val Tyr
 65 70 75 80
 Ser Asp Ala Gly

<210> 226
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 226
 Pro Met Glu Pro Gln Lys Cys His Pro Ala Gly Trp His Gly Leu Gly
 1 5 10 15
 Gln Glu Ala Glu Ala Gly Asp Gln Asp Gly
 20 25

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